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(54) SILICA CARRIER FOR DRUG

(57)Abstract:

PURPOSE: A silica carrier for drug useful as a carrier for drugs, cosmetics, etc., capable of suppressing decomposition of a main drug, etc. as much as possible, comprising finely-ground silicic acid hydrate wherein content of aluminum oxide shown by dry base except water is adjusted to \leq a specific value.

CONSTITUTION: Finely-ground silicic acid hydrate having Al_2O_3 content shown dry base except water of $\leq 0.35\text{wt}\%$, preferably $\leq 0.25\text{wt}\%$ is used as a carrier for drugs. It has been found that as an amount of Al_2O_3 contained in silicic acid hydrate as the carrier is increased, decomposition of a chemical component such as a main drug, etc. supported on the silicic acid is promoted. It has been found that the maximum content of Al_2O_3 in the carrier capable of suppressing decomposition of the main drug, etc. to a preferable range is $\leq 0.35\text{wt}\%$. Further, in the case, the use of finely-ground silicic acid hydrate having $\leq 3.5\text{wt}\%$, preferably $\leq 3.0\text{wt}\%$ ignition loss value is more effective.

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